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SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

1. Since tractor production in Hungary is directed to meet plant goals, this field of manufacture was reorganized in 1954. As a result, Hungary will produce tractors with due regard to the requirements of the other Orbit countries. It is planned that Hungary will produce only two types of tractors: a 35-hp. wheeled tractor and a 50-hp. crawler-type tractor. 25X1
2. Hungary will probably fill her own requirements for a small, 25-hp. wheeled tractor through imports from Czechoslovakia or East Germany.
3. The G-35 Tractor.
 - a. Consequently, the Red Star Tractor Factory (Vörös Csillag Traktorgyár), Budapest, will continue to make the G-35 tractor which is practically the same type of machine it has been making for decades. The tractor has a 35-hp. one-cylinder, two-phase, horizontal, semi-diesel motor which runs on diesel oil (gázolaj). The engine consumes 280 grams of fuel per horsepower per hour. The tractor weighs 2,800 kg. and is equipped with a two-speed gear shift. It can haul 1,300 kg. in low and 1,000 kg. in high gear. It is made with rubber or metal wheels, as required. The decision to manufacture this semi-diesel tractor in series was influenced by the fact that the engine runs on low-grade fuel such as that derived from the Nagylengyel oil. Because of its high sulphuric content, the Nagylengyel oil cannot be used in diesel motors.
 - b. According to recent plans, this semi-diesel tractor will be fueled by a mixture of gas-oil and 30 percent pakura, known as distillate "E".
 - c. Another advantage of this motor is that it can utilize low-grade, domestic lubricants. Although this motor may consume 300-320 grams of fuel per horsepower per hour after heavy use, the low cost of the Nagylengyel crude oil more than offsets this disadvantage.
 - d. The Planning Office directives for the Vörös Csillag Tractor Factory, required the production of 4,000 tractors in 1954; only 3,000 were completed, most of which went to the USSR and the Chinese People's Republic.

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4. The DT-413 Tractor.

- a. The second type of tractor manufactured in Hungary is the DT-413, a diesel-motor, crawler-type tractor. This machine was designed in 1951 and is driven by a 50-hp., 4-cylinder, 4-phase Csepel diesel motor. The tractor weighs 5,100 kg. and can haul 2,850 kg. in low; 2,100 kg. in second; 1,750 kg. in third, and 1,450 kg. in fourth gear.
 - b. The DT-413 tractors made in 1952 broke down in field work and needed major repairs after 600-1,000 hours. Subsequent improvements made it possible to run them for 1,500 hours between repairs.
 - c. The DT-413 runs more smoothly than the G-35 and consumes less fuel. However, it requires high-grade fuel, and domestic lubricants must be mixed with at least 30-40 percent imported lubricants.
 - d. Because of the above shortcomings, it has been decided to manufacture the motor of the DT-54 Soviet tractor, which is quite similar to the motor of the DT-413. Production of the DT-54 was scheduled to begin in 1955. It is contemplated that the DT-413 type tractor will be manufactured in series by 1956.
5. Only G-35 tractors are exported to the USSR and China.
6. Because the Vörösmarty Tractor Factory failed to fulfill the 1954 plan, József Doroncsmai, the Director, was dismissed at the end of the year and replaced by László Csató who had been the director of the Gamma Optical Works, Budapest, for many years.

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